

Title (en)

METHOD FOR PRODUCING MICROPARTICLES FROM PRESSURIZED AND HEATED STARTING MATERIAL SOLUTION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON MIKROPARTIKELN AUS EINER UNTER DRUCK STEHENDEN UND ERWÄRMTE
AUSGANGSMATERIALLÖSUNG

Title (fr)

PROCÉDÉ DE PRODUCTION DE MICROPARTICULES À PARTIR D'UNE SOLUTION DE MATIÈRE DE DÉPART CHAUFFÉE ET SOUS
PRESSION

Publication

EP 3508471 A4 20200415 (EN)

Application

EP 17846758 A 20170905

Priority

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- JP 2017031962 W 20170905

Abstract (en)

[origin: EP3508471A1] The present invention addresses the problem of providing a method for efficiently producing uniform microparticles of curcumin and/or γ -oryzanol at a higher yield. The target microparticles are produced by dissolving a starting material in a solvent to give a starting material solution and then subjecting the starting material solution to crystallization by a poor solvent method to thereby deposit the starting material. To prepare the starting material solution, curcumin and/or γ -oryzanol are used as the starting material(s) and ethanol is used as the solvent. The starting material(s) and the solvent are stirred in a pressurized state at a temperature of 78.3-130°C inclusive to give the starting material solution. Then, the starting material solution thus obtained is subjected to crystallization by the poor solvent method and thus the target microparticles are produced.

IPC 8 full level

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CPC (source: EP KR US)

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C07J 9/005 (2013.01 - KR); **C07J 53/004** (2013.01 - US); **C09B 61/00** (2013.01 - EP US); **B01D 2009/0095** (2013.01 - US);
C07J 53/004 (2013.01 - EP)

Citation (search report)

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- [AD] EP 2184109 A1 20100512 - M TECH CO LTD [JP]
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- See references of WO 2018043755A1

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